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Docket No.: 291958241US  
Client Ref No. P03-0033

(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
McHugh et al.

Application No.: 10/733,807

Confirmation No.: 8859

Filed: December 11, 2003

Art Unit: 1742

For: INTEGRATED MICROFEATURE  
WORKPIECE PROCESSING TOOLS  
WITH REGISTRATION SYSTEMS FOR  
PADDLE REACTORS

Examiner: W. T. Leader

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

A summary/abstract translation of the non-English language references is enclosed.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 291958241US.

Dated: May 8, 2006

Respectfully submitted,

By 

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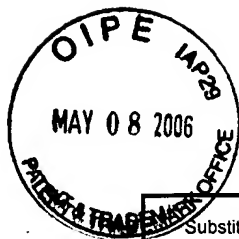
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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031  
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/733,807-Conf. #8859	
			Filing Date	December 11, 2003	
			First Named Inventor	Paul R. McHugh	
			Art Unit	1742	
			Examiner Name	W. T. Leader	
Sheet	1	of	2	Attorney Docket Number	291958241US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-60/476,786		Davis et al.	
		US-60/476,881		Hanson	
		US-60/484,603		Wilson et al.	
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		US-6,672,820	01-06-2004	Hanson	

Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
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			Examiner Name	W. T. Leader	
Sheet	2	of	2	Attorney Docket Number	291958241US

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP-0 343 502 A2	11-29-1989	Lam Research Corp.		
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		JP-62-297494	12-24-1987	Electroplating Eng of Japan Co		
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		WO-05/042804-A2	05-12-2005	Nexx Systems, Inc.		
		WO-99/25004	05-20-1999	Applied Materials, Inc.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		WU, Z.L. et al., "Methods for Characterization of Mass Transfer Boundary layer in an industrial Semiconductor Wafer Plating Cell," Abs. 165, 205 <sup>th</sup> Meeting, © The Electrochemical Society, Inc., 2004 (1 Page).	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
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